

# Compensating and extension cables

## PVC insulated cables

A 9 - L · A 9 - LSY with steel wire armouring

multi-paired



A 9 - L



A 9 - LSY

Also available  
with cross-sections  
1,0 mm<sup>2</sup>, 0,75 mm<sup>2</sup>,  
0,5 mm<sup>2</sup> and 0,22 mm<sup>2</sup>!

### Construction:

Insulation:	PVC, Tl2 acc. to 50363-3 + VDE 0207-363-3
Colour code:	from 4 cores pair-wise numbered
Stranding:	cores together in layers
Sheath material:	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
Armouring:	A 9 - LSY: galvanized steel wire armouring
Shape:	round
Conductor construction:	strand

### Technical data:

Min. bending radius:	A 9 - L: 7,5 x d A 9 - LSY: 12 x d
Radiation resistance:	8 x 10 <sup>7</sup> cJ/kg
Temperature range of insulation:	fixed laying: -40/+70 °C flexible application: +5/+70 °C
Insulation resistance:	> 1MΩ x km
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

Type:	A 9 - L	A 9 - LSY
Conductor cross section:	1,5 mm <sup>2</sup>	1,5 mm <sup>2</sup>

no. of cores	for thermocouple	outer ø approx. in mm	weight approx. kg/100 m	cable type	A 9 - L item no.	outer ø approx. in mm	weight approx. kg/100 m	cable type	A 9 - LSY item no.
2	1	6,1	6,4	A 9 L	044289...	8,5	11,3	A 9-2 LSY	046289...
4	2	7,1	9,8	A 9-4 L	044204...	9,5	15,0	A 9-4 LSY	046204...
6	3	8,7	14,1	A 9-6 L	044206...	11,3	21,4	A 9-6 LSY	046206...
12	6	11,9	25,8	A 9-12 L	044212...	14,7	36,0	A 9-12 LSY	046212...
16	8	13,2	33,2	A 9-16 L	044216...	16,4	46,9	A 9-16 LSY	046216...
20	10	15,0	42,2	A 9-20 L	044220...	18,0	57,2	A 9-20 LSY	046220...
24	12	16,7	49,2	A 9-24 L	044224...	19,7	64,0	A 9-24 LSY	046224...
32	16	18,8	65,4	A 9-32 L	044232...	21,4	80,5	A 9-32 LSY	046232...
36	18	19,5	72,6	A 9-36 L	044236...	22,1	88,6	A 9-36 LSY	046236...
40	20	20,9	80,6	A 9-40 L	044240...	24,1	100,1	A 9-40 LSY	046240...

In case of order, please indicate the corresponding thermocouple! (please see SAB thermocouple code page L/6)

Example: Type A 9 - 16 L for thermocouple type R/S acc. to DIN 43713 = item no. 4421696

The type A 9-L can also be manufactured with solid conductors 1,38 mm ø.

The type identification for solid types is: type A 9 - D (item group 0463...).

If no stock material is available, the min. order quantity is 500 m.

The types of multi-paired compensating cables can also be delivered pair-wise twisted and pairs totally twisted for additional charge.